20020020-0008001

FIG.1

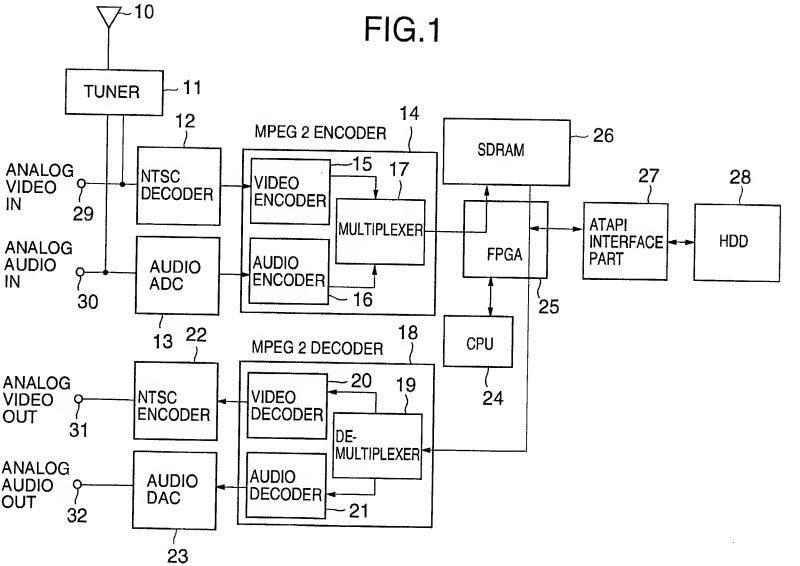
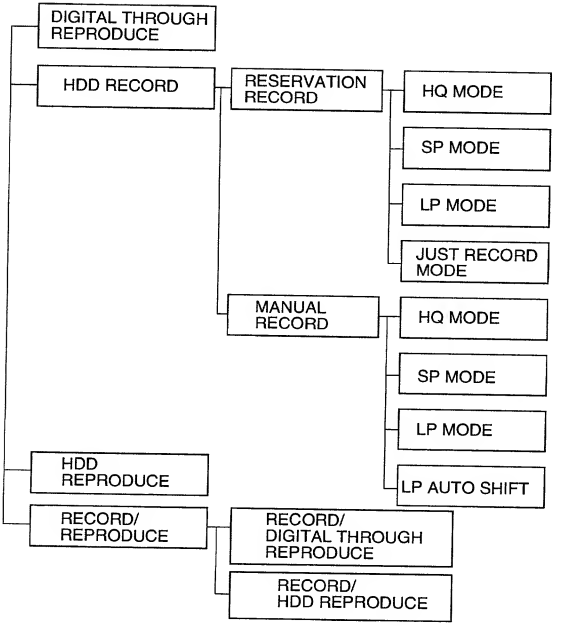
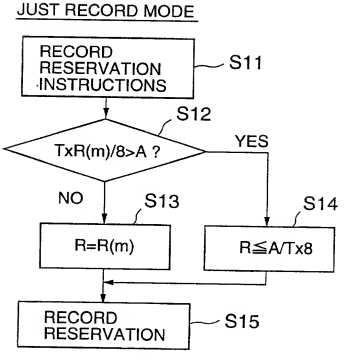


FIG.2



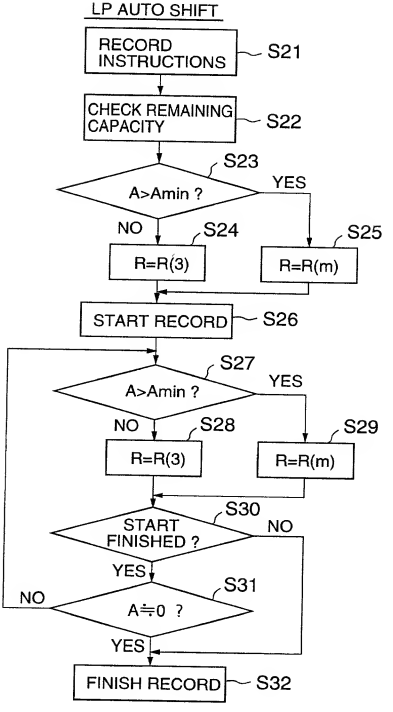
1009055.4.022502

FIG.3



1009055 4.023502

FIG.4



1002056A1.022502

FIG.5

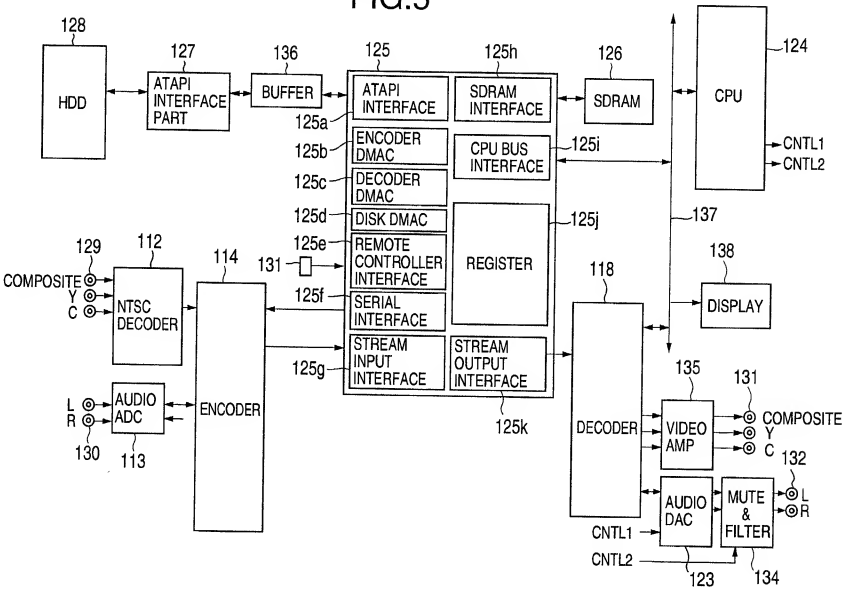

128
HDD
127
ATAPI INTERFACE PART
136
BUFFER
125
125h
ATAPI INTERFACE
SDRAM INTERFACE
126
SDRAM
CPU
124
CNTL1
CNTL2
125a
125b
ENCODER DMAC
CPU BUS INTERFACE
125i
125c
DECODER DMAC
125d
DISK DMAC
125j
137
129
112
114
131
125e
REMOTE CONTROLLER INTERFACE
REGISTER
138
COMPOSITE
Y
C
NTSC DECODER
125f
SERIAL INTERFACE
118
DISPLAY
125g
STREAM INPUT INTERFACE
STREAM OUTPUT INTERFACE
135
131
L
R
AUDIO ADC
ENCODER
125k
DECODER
VIDEO AMP
COMPOSITE
Y
C
130
113
132
AUDIO DAC
MUTE & FILTER
L
R
CNTL1
CNTL2
123
134

FIG.6

STATE TRANSITION DIAGRAM

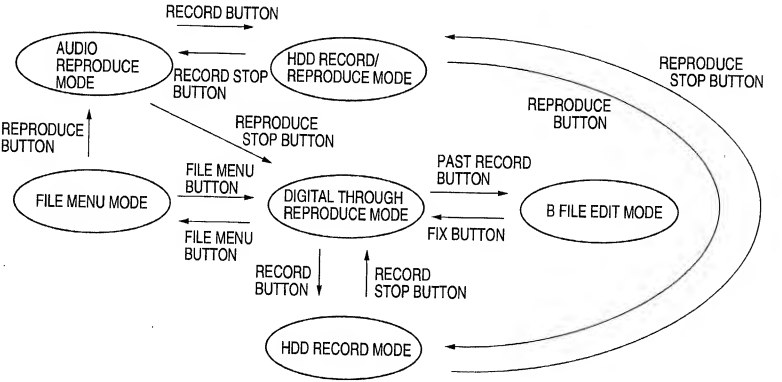


FIG.7

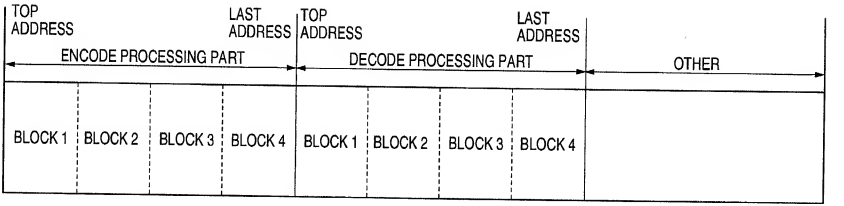

TOP ADDRESS
LAST ADDRESS
TOP ADDRESS
LAST ADDRESS
ENCODE PROCESSING PART
DECODE PROCESSING PART
OTHER
BLOCK 1
BLOCK 2
BLOCK 3
BLOCK 4
BLOCK 1
BLOCK 2
BLOCK 3
BLOCK 4

FIG.8

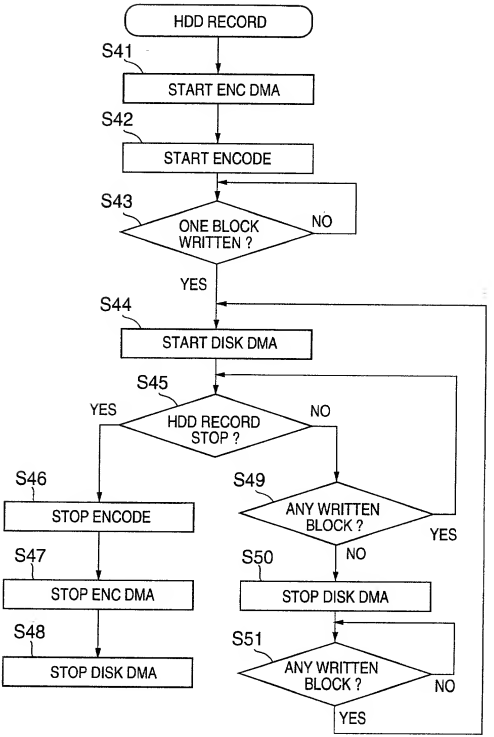
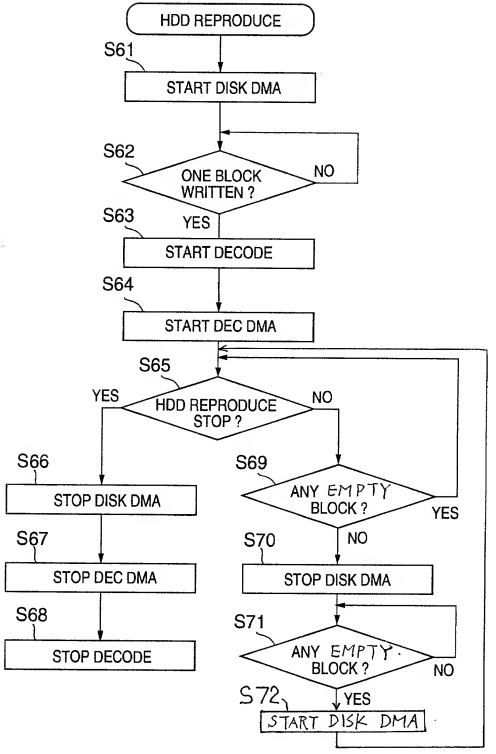
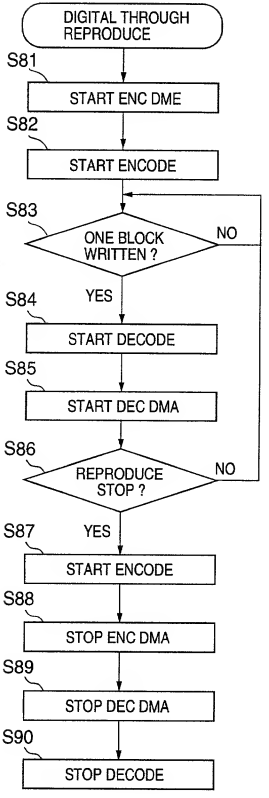

HDD RECORD
S41
START ENC DMA
S42
START ENCODE
S43
ONE BLOCK WRITTEN ?
NO
YES
S44
START DISK DMA
S45
HDD RECORD STOP ?
YES
NO
S46
STOP ENCODE
S47
STOP ENC DMA
S48
STOP DISK DMA
S49
ANY WRITTEN BLOCK ?
YES
S50
NO
STOP DISK DMA
S51
ANY WRITTEN BLOCK ?
NO
YES

FIG.9



20020220.095008001

FIG.10



20522D-19506001

FIG.11

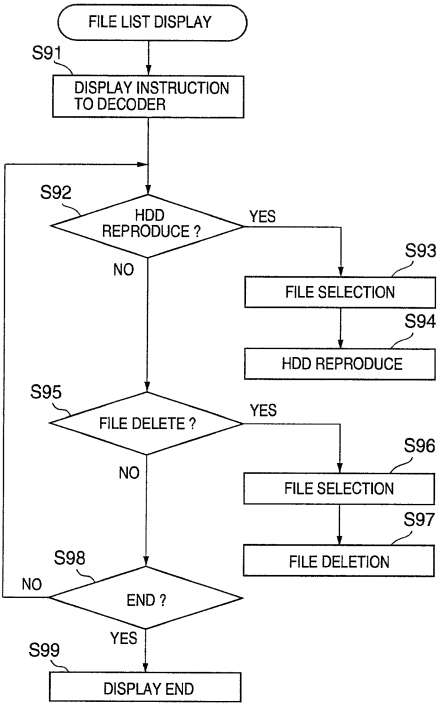

FILE LIST DISPLAY
S91
DISPLAY INSTRUCTION TO DECODER
S92
HDD REPRODUCE ?
YES
NO
S93
FILE SELECTION
S94
HDD REPRODUCE
S95
FILE DELETE ?
YES
NO
S96
FILE SELECTION
S97
FILE DELETION
S98
NO
END ?
YES
S99
DISPLAY END

FIG.12A

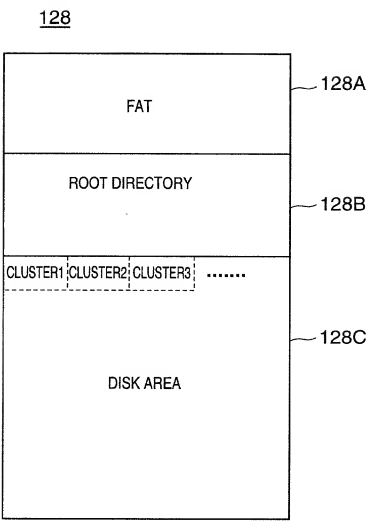
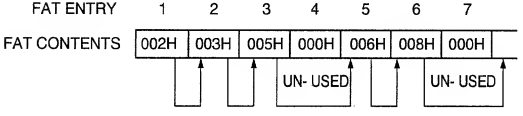


FIG.12B



20220455680001

FIG.13A

① RECORD FILE LIST

FILE NAME	RECORD START DATE /TIME	RECORD LENGTH	RECORD MODE
FILE 1	00/02/19 21:00	2:00	HQ
FILE 2	00/02/25 19:00	1:35	LP
FILE 3	00/03/09 10:00	2:00	HQ

FIG.13B

② B FILE EDIT

STORABLE TIME ZONE

00/03/09 12:00 - 00/03/09 20:00

SET STORAGE TIME ZONE

RECORD START DATE /TIME: 00/03/09 18:00 (151)

RECORD END DATE /TIME: 00/03/09 19:00 (152)

FIG.13C

③ RECORD FILE LISTS

FILE NAME	RECORD START DATE /TIME	RECORD LENGTH	RECORD MODE
FILE 1	00/02/19 21:00	2:00	HQ
FILE 2	00/02/25 19:00	1:35	LP
FILE 3	00/03/09 10:00	2:00	HQ
FILE 4	00/03/09 18:00	1:00	LP

20050094.022502

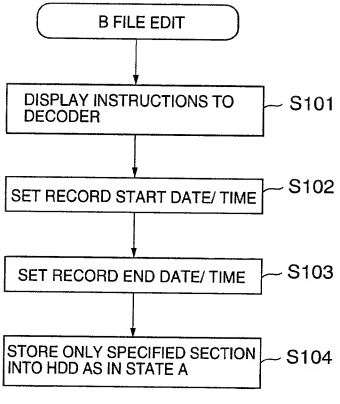
FIG.14A

	FILE NAME	RECORD START DATE /TIME	RECORD END DATE /TIME	RECORD MODE	STATE A/B
1	FILE 1	2000/2/19 21:00	2000/2/19 23:00	HQ	A
2	FILE 2	2000/2/25 19:00	2000/2/25 20:35	LP	A
3	FILE 3	2000/3/9 10:00	2000/3/9 12:00	HQ	A
4	FILE 4	2000/3/9 12:00	2000/3/9 20:00	LP	B

FIG.14B

	FILE NAME	RECORD START DATE /TIME	RECORD END DATE /TIME	RECORD MODE	STATE A/B
1	FILE 1	2000/2/19 21:00	2000/2/19 23:00	HQ	A
2	FILE 2	2000/2/25 19:00	2000/2/25 20:35	LP	A
3	FILE 3	2000/3/9 10:00	2000/3/9 12:00	HQ	A
4	FILE 4	2000/3/9 19:00	2000/3/9 20:00	LP	A

FIG.15



20220224050001